

GRADE 1 MATH – PCSD – CORE UNITS

***Math Meeting** 5 days a week Approx. 15 minutes of each lesson gradually increase difficulty

- ✓ Clocks
- ✓ Money
- ✓ Place value
- ✓ Number sense
- ✓ Patterns
- ✓ Calendar Review
- ✓ Oral counting

***Basic Facts Practice** 2 days/week Approx. 15 minutes of each lesson

- ✓ Flash cards
- ✓ Math sharks
- ✓ Math mats
- ✓ SMARTBoard Games-Sheppard software, mrmussbaum.com, abcyq, etc.
- ✓ Etc.

Unit: 1 Number Sense

Extend the Counting sequence to read and write numerals to represent objects

C.C.2.1.1.B.1 C.C.2.1.1.B.2

Quiz 1

- ✓ Counting/Represent numbers with object (Ex. Represent the number 6 with stars)
- ✓ Read and Write Numerals

Quiz 2

- ✓ Introduction of Number Line-missing numbers
- ✓ Number sequence/Ordering numbers
- ✓ Stop/Start Counting-count on from any number

Quiz 3

- ✓ Skip count by 2, 5, 10, 25 (repeated addition)

Quiz 4

- ✓ Introduce base ten blocks for an understanding of tens and ones
- ✓ Tallies
- ✓ Ten frames

Quiz 5

- ✓ Term “digit”- 1 vs. 2 digit numbers
- ✓ Value of digits up to 2 digits only
- ✓ Compare Numbers
 - $<$ $>$ $=$ (stress what $=$ really means)

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C.C.2.1.1.B.3

C.C.2.2.1.A.1

Unit: 2

Addition

Represent and solve problems involving addition up to and within 20

Quiz 1

- ✓ Number line to add
- ✓ Adding on by drawing, blocks, etc

Quiz 2

- ✓ Basic Facts
- ✓ Turn Arounds

Quiz 3

- ✓ +1 +0 +2 Doubles

Quiz 4

- ✓ Representing numbers in different ways (complements)

Quiz 5

- ✓ Adding 3 single digit numbers by grouping of two first

Quiz 6

- ✓ Word Problems-teacher read –stress vocabulary

Unit: 3

Subtraction

Represent and solve problems involving subtraction up to and within 20

C.C.2.1.1.B.3

C.C.2.2.1.A.1

Quiz 1

- ✓ Subtracting by drawing, blocks, etc.

Quiz 2

- ✓ -1 -0 -2
- ✓ Basic facts (Discuss that turn-arounds no longer work!)

Quiz 3

- ✓ Take apart numbers

Quiz 4

- ✓ Word Problems-teacher read-stress vocabulary

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Unit: 4 Fact Families and Relationships *Understand and apply properties of operations and the relationship between addition and subtraction*

C.C.2.2.1.A.1 C.C.2.2.1.A.2 C.C.2.1.1.B.3

Quiz 1

- ✓ Relationships between addition and subtraction
- ✓ Fact Families
- ✓ Related Number Sentences

Quiz 2

- ✓ Balancing Number Sentences ($3+4=6+1$)
- ✓ Missing addends/parts of number sentences

Quiz 3

- ✓ Word Problems-teacher read-stress vocabulary

C.C.2.1.1.B.2 C.C.2.1.1.B.3

Unit: 5 Place Value * Use place value concepts to represent amounts of tens and ones to compare two digit numbers*
Use place value concepts and properties of operations to add and subtract within 100

Quiz 1

- ✓ Representing numbers using tens and ones
- ✓ Comparing numbers using tens and ones

Quiz 2

- ✓ Using the number grid to count by tens and ones
 - 10 less/10 more

Quiz 3

- ✓ Addition and subtraction problems involving tens and ones
 - When regrouping/borrowing is required use various methods (partial sums, number grids, base ten blocks, etc.)

Quiz 4

- ✓ Vertical addition (double digits) of numbers without regrouping

Quiz 5

- ✓ Word problems

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Unit: 6 Representing Data *represent and interpret data using tables and charts

C.C.2.4.1. A.4

Quiz 1

- ✓ Collection/sorting/distribution of data
- ✓ Picture graph
- ✓ Bar graph
- ✓ Tally Charts
- ✓ Creation of graph from 1 set of data
- ✓ Word problems

Unit: 7 Time *tell and write time to the nearest half hour using both analog and digital clocks

C.C.2.4.1.A.2

Quiz 1

- ✓ Analog/digital clocks
- ✓ Words for time (half past-o'clock)
- ✓ The hour hand must be halfway between two numbers to show half past
- ✓ AM/PM (noon-midnight)
- ✓ Word problems

Unit: 8 Measurement *order lengths and measure them both indirectly and by repeating length units*

C.C.2.4.1.A.1

Quiz 1

- ✓ Measure items using nonstandard tools
- ✓ CM cube
- ✓ Ordering of lengths (short, shorter, shortest-long, longer, longest-tall, taller, tallest-wide, wider, widest)

Quiz 2

- ✓ Measurement tools introduction (ruler, tape measure)
- ✓ Finding/identifying appropriate measuring tools
- ✓ Word problems (+ and – involving length)

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Unit: 9 Geometry *compose and distinguish between two-and three-dimensional shapes based on their attributes*

C.C.2.3.1.A.1

Quiz 1

- ✓ Vocabulary-Discuss attributes (sides, faces, vertices)
- ✓ 3D Shape Introduction (discuss attributes-flat/curved surfaces) *try not to use 2D shape names when defining attributes of 3D shapes*
- ✓ Composing and decomposing of 3D shapes
- ✓ Compare and contrast 3D shapes
- ✓ Sorting solid/3D shapes

Quiz 2

- ✓ 2D Shape Introduction (discuss attributes-sides/corners)
- ✓ Composing and decomposing of 2D shapes
- ✓ Compare and contrast 2D shapes
- ✓ Sorting 2D shapes

Quiz 3

- ✓ 2D/3D connections (similarities vs. differences)

Quiz 4

- ✓ Word problems

C.C.2.3.1.A.2

Unit: 10 Fractions *use the understanding of fractions to partition shapes into halves and quarters*

Quiz 1

- ✓ Identify equal/unequal shares
- ✓ Partition shapes into equal shares
- ✓ Partition items into equal amounts

Quiz 2

- ✓ Define and distinguish halves
- ✓ Define and distinguish fourths
- ✓ Partition shapes into halves and fourths

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Quiz 3

- ✓ Identify the actual fractions
- ✓ Compare halves and fourths
- ✓ Word problems